



US005260915A

# United States Patent [19]

Houlihan

[11] Patent Number: 5,260,915

[45] Date of Patent: Nov. 9, 1993

## [54] WRISTWATCH RADIOTELEPHONE

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[21] Appl. No.: 963,411

[22] Filed: Oct. 16, 1992

[51] Int. Cl.<sup>5</sup> ..... G04B 47/00; A44C 5/00

[52] U.S. Cl. .... 368/10; 368/13; 368/282; 224/165; 379/90; 379/428

[58] Field of Search ..... 368/10, 276, 277, 278, 368/281-282; 63/1 R, 3, 9, 21; 24/265 WS; 224/164, 165, 174; 59/79.1, 80; 319/90, 428, 430

## [56] References Cited

## U.S. PATENT DOCUMENTS

704,243	7/1902	Davis	63/9
2,120,348	6/1938	Bezault	63/9
2,649,230	8/1953	Thompson	368/282
3,032,651	5/1962	Gisiger-Stahl et al.	250/14
3,940,038	2/1976	Claude	224/164
4,162,754	7/1979	Fleming	224/165
4,847,818	7/1989	Olsen	368/10

5,008,864 4/1991 Yoshitake ..... 368/10

## FOREIGN PATENT DOCUMENTS

289148 3/1951 Switzerland ..... 63/9

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[57]

## ABSTRACT

A combined wristwatch and radiotelephone has a plurality of substantially rigid segment members arranged end to end in a series with pivotable connections between each adjacent pair of members in the series. The pivotal axes of these connections are substantially parallel to the longitudinal axis of the user's wrist when the apparatus is worn on the wrist as a wristwatch. The pivotable connections allow the apparatus to be curved into a shape which fits around the user's wrist when the apparatus is to be used as a wristwatch. Alternatively, the pivotable connections allow the apparatus to form a more elongated structure suitable for use as a hand-held radiotelephone when such use is desired.

17 Claims, 3 Drawing Sheets

